

CORROSION RESISTANT MEMBER

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Inventor: HAYAZAKI TETSUJI
Applicant: KYOCERA CORP
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Abstract of JP10330150

PROBLEM TO BE SOLVED: To obtain a corrosion resistant member having an excellent corrosion resistance against plasma in an atmosphere containing a halogen-based corrosive gas such as a fluorine-based or chlorine-based gas.

SOLUTION: This corrosion resistant member is composed of a ceramic sintered compact comprising ≥ 15 wt.% MgO and ≤ 85 wt.% Al₂O₃, in terms of oxides, having any crystal phase of MgO, MgAl₂O₄ and MgO, MgAl₂O₄, and MgAl₂O₄ and Al₂O₃, further having ≥ 3 μ m average crystalline particle diameter of the crystal phase and having $\leq 0.2\%$ porosity.

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